



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington DC 20460. Do not send the form to this address.

DATA MATRIX

| | | |
|---|---|-------------|
| Date: April 12, 2019 | EPA Reg. No./ File Symbol: 92413- | Page 1 of 5 |
| Applicant's/Registrant's Name and Address: TEVRA Brands LLC 9100 F Street, Suite 200 Omaha, NE 68127 | Product: TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs | |
| Ingredient: Deltamethrin (CAS No. 52918-63-5; PC Code 97805); Pyriproxyfen (CAS No. 95737-68-1; PC Code 129032) | | |

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
|---|---|-------------|-------------------|--------|---------------------------|
| Product Specific Data Requirements | | | | | |
| 830.1550 | Product Identity and Composition | 50761101 | Tevra Brands, LLC | OWN | |
| 830.1600 | Description of Materials Used to Produce the Product | 50761101 | Tevra Brands, LLC | OWN | |
| 830.1620 | Description of Production Process | | | | Not Required ¹ |
| 830.1650 | Description of Formulation Process | 50761101 | Tevra Brands, LLC | OWN | |
| 830.1670 | Discussion of Formation of Impurities | 50761101 | Tevra Brands, LLC | OWN | |
| 830.1700 | Preliminary Analysis | | | | Not required ¹ |
| 830.1750 | Certified Limits | 50761101 | Tevra Brands, LLC | OWN | |
| 830.1800 | Enforcement Analytical Method | 50761101 | Tevra Brands, LLC | OWN | |
| 830.6302 | Color | 50761102 | Tevra Brands, LLC | OWN | |
| 830.6303 | Physical State | 50761102 | Tevra Brands, LLC | OWN | |
| 830.6304 | Odor | 50761102 | Tevra Brands, LLC | OWN | |
| 830.6313 | Stability to Normal and Elevated Temperatures, Metals, and Metal Ions | 50761104 | Tevra Brands, LLC | OWN | Not Required ² |
| 830.6314 | Oxidation/Reduction: Chemical Incompatibility | 50761104 | Tevra Brands, LLC | OWN | Waiver ³ |

| | | |
|--|---|-----------------------|
| Signature  | Name and Title Ann M. Tillman, Agent | Date Apr. 12, 2019 |
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| 830.6315 | Flammability | 50761102 | Tevra Brands, LLC | OWN | |
| 830.6316 | Explosibility | 50761104 | Tevra Brands, LLC | OWN | Waiver ⁴ |
| 830.6317 | Storage Stability | 50761103 | Tevra Brands, LLC | OWN | |
| 830.6319 | Miscibility | 50761104 | Tevra Brands, LLC | OWN | Not Applicable ⁵ |
| 830.6320 | Corrosion Characteristics | 50761103 | Tevra Brands, LLC | OWN | |
| 830.6321 | Dielectric Breakdown Voltage | 50761104 | Tevra Brands, LLC | OWN | Not Applicable ⁶ |
| 830.7000 | pH | 50761102 | Tevra Brands, LLC | OWN | |
| 830.7050 | UV/Visible Absorption | | | | Not Required ⁷ |
| 830.7100 | Viscosity | 50761104 | Tevra Brands, LLC | OWN | Not Applicable ⁸ |
| 830.7200 | Melting Point/Melting Range | | | | Not Required ⁷ |
| 830.7220 | Boiling Point/Boiling Range | | | | Not Required ⁷ |
| 830.7300 | Density/Relative Density/Bulk Density | 50761102 | Tevra Brands, LLC | OWN | |
| 830.7370 | Dissociation Constants in Water | | | | Not Required ⁷ |
| 830.7520 | Particle Size, Fiber Length, and Diameter Distribution | | | | Not Required ⁷ |
| 830.7550 | Partition Coefficient (n-octanol/water), Shake Flask Method | | | | Not Required ⁷ |
| 830.7560 | Partition Coefficient (n-octanol/water), Generator Column Method | | | | See 830.7550 |

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| 830.7570 | Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography | | | | See 830.7550 |
| 830.7840 | Water Solubility: Column Elution Method; Shake Flask Method | | | | Not Required ⁷ |
| 830.7860 | Water Solubility, Generator Column Method | | | | See 830.7840 |
| 830.7950 | Vapor Pressure | | | | Not Required ⁷ |
| | | | | | |
| 870.1100 | Acute Oral Toxicity | 43856502 42889001 | | OLD OLD | |
| 870.1200 | Acute Dermal Toxicity | 43856503 42889002 | | OLD OLD | |
| 870.1300 | Acute Inhalation Toxicity | 50761105 | Tevra Brands, LLC | OWN | |
| 870.2400 | Primary Eye Irritation | 43856504 42889003 | | OLD OLD | |
| 870.2500 | Primary Dermal Irritation | 43856505 42889004 | | OLD OLD | |
| 870.2600 | Dermal Sensitization | 43856506 42889005 | | OLD OLD | |

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| 870.7200 | Companion Animal Safety | 42889006 42178309 42178307 44412601 44522102 | | OLD OLD OLD OLD OLD | |
| 810.3300 | Product Performance – Fleas, ticks | 44190101 44578702 44578703 44578704 44578705 44602901 | | OLD OLD OLD OLD OLD OLD | |
| 810.3300 | Product Performance – Ovisterilant activity, mosquito claims | 43856508 44578702 44578705 48646601 | Intervet, Inc. | OLD OLD OLD PAY | |
| Generic Data Requirements | | | | | |
| Tevra Brand LLC's TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs qualifies for Formulator's Exemption for generic data for deltamethrin and pyriproxyfen. | | | | | |

| | | |
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| Signature  | Name and Title Ann M. Tillman, Agent | Date Apr. 12, 2019 |
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Endnotes for Data Matrix for TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs

¹ **830.1650** - These data are not required for the registration of a manufacturing use product. See 830.1620 for production process information.

² **830.6313** – This study is not required to support the registration of an end use product.

³ **830.6314** - TEVRA Brands, LLC requests a waiver for this data requirement based on the following: 1. The molecular structure of the active ingredients, deltamethrin and pyriproxyfen do not contain any oxidizing groups (such as peroxides, chlorates, perchlorates, nitrates, bromates, chromates, etc.) and do not contain any other inert ingredient that would be an oxidizing or reducing agent. 2. The nature of the product, an impregnated collar, would not give relevant results if this study were conducted. 3. Information is available on appropriate materials to use to extinguish fires and include water spray, foam, dry chemical and carbon dioxide. A copy of the MSDS is found in MRID 50761104. 4. TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs is intended for household use but will not come into contact with any household organic solvents such as kerosene, turpentine, or gasoline.

⁴ **830.6316** - TEVRA Brands, LLC requests a waiver from the requirement of this study. Neither deltamethrin nor pyriproxyfen have the chemical bonds nor functional groups associated with explosive chemicals. None of the components in TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs are considered explosive.

⁵ **830.6319** - TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs is a solid and not an emulsifiable concentrate. Therefore, this guideline is not applicable to TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs.

⁶ **830.6321** - TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs is a solid product and not a liquid product to be used around electrical equipment. Therefore, this guideline is not applicable to TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs.

⁷ **830.7050, 830.7200, 830.7220, 830.7370, 830.7520, 830.7550, 830.7840, 830.7950** - These data are not required for registration of an end use product.

⁸ **830.7100** - These data are required when the product is a liquid. TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs is a solid. This data requirement is not applicable to TEVRA Deltamethrin + Pyriproxyfen Collar for Dogs.